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(54) Title: PREPARATION OF ACRYLIC POLYMER SOL FOR COATING

(57) Abstract: Disclosed are acrylic polymer beads and an acrylic sol composition containing the acrylic polymer beads that are used for automobile underbody floor, wheel housing, fuel tank, body panel junction and hood, door, or the like for the purpose of water tightness, vibration isolation, and anticorrosion. More specifically, the acrylic polymer beads having a core/shell structure, which are prepared by using a part of the monomer constituting a core layer to form seeds by a seed polymerization, polymerizing the rest of the monomer to form a core layer and then forming a shell layer containing an appropriate amount of a crosslink agent, have a narrow particle size distribution and thereby provide, when used in addition to a plasticizer and a filler in the preparation of an acrylic sol composition for automobile, high storage stability of the acrylic sol and excellent properties of the coating formed by gelation of the acrylic sol.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR 03/01418-0

CLASSIFICATION OF SUBJECT MATTER

IPC⁷: C08F 2/22; C08F 2/24; C08F 265/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, EPODOC, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5668209 A (RUCH K. et al.) 16 September 1997 (16.09.97) column 3, line 3 - column 4, line 60; example 1, claims.	1-14
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Y	US 4199486 A (BOESSLER H. et al.) 22 April 1980 (22.04.80) column 1, line 65 - column 6, line 2; claims.	1-14
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Y	US 4071653 A (BOESSLER H. et al.) 31 January 1978 (31.01.78) column 4, line 28 - column 8, line 2; claims.	1-14

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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